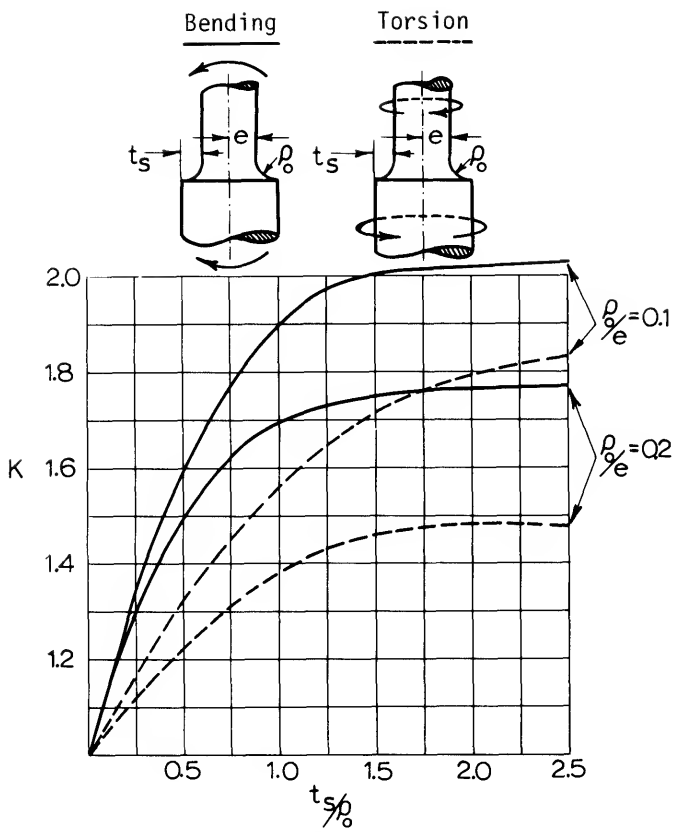


**Fig. 9.4** Comparison of stress concentration in bending and torsion.

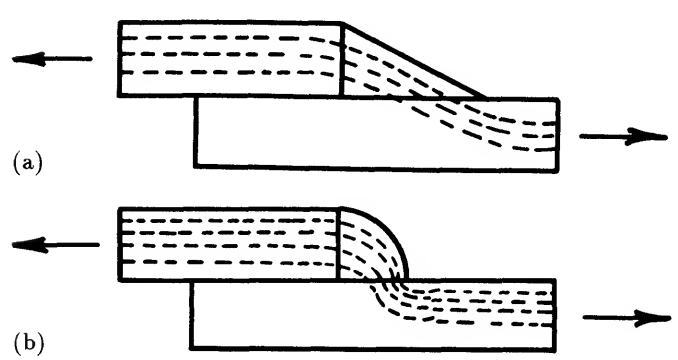


**Fig. 9.5** Approximate stress transfer lines in a welded joint.